

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION III
841 Chestnut Building
Philadelphia, Pennsylvania 19107

SUBJECT: Photochemical Assessment Monitoring Stations (PAMS) Network Plan -- State of Pennsylvania **DATE:** 3-22-95

FROM: Victor Guide, Chief
Philadelphia Operations Section
Environmental Services Division *Victor Guide*

TO: Blaine DeHaven, Acting Chief
Division of Air Monitoring
Pennsylvania DER

The Philadelphia Operations Section, EPA Region III, Emissions, Monitoring, and Analysis Division have reviewed the PAMS Network Plan submitted by the State of Pennsylvania for the Philadelphia-Wilmington-Trenton ozone nonattainment area. The PAMS network for this area is depicted in the attached table.

The resulting approved network for Pennsylvania's portion of the Philadelphia network would consist of single #2 Site located at the Philadelphia Air Management Services Laboratory in Philadelphia. A #1/#3 Site at Chester and a #2A Site (secondary wind direction) in northeast Philadelphia were not approved. The #1/#3 Site appears to be located too close to the Metropolitan Statistical Area and cannot be approved unless additional justification demonstrating the appropriateness of this site can be remitted. The proposed #2A Site does not appear to fall in a substantially different morning wind direction than the #2 Site and for that reason also cannot be approved. Note that the proposal of one of these two sites (#1/#3 and the #2A) would exceed the minimum PAMS requirements and would not likely garner an additional allocation of 105 monies to Region III unless justification was submitted demonstrating the necessity of the extra site in accordance with my memorandum of January 9, 1995.

The resulting approved network for Philadelphia-Wilmington-Trenton would consist of a #1 Site at Lums Pond, Delaware, (also #4 for Baltimore), a #2 Site in Philadelphia, a #2A Site at Camden, New Jersey, a #3 Site at Rider College in New Jersey and a #4 Site in New Brunswick, New Jersey (also #1 for New York).

If you have questions or wish to discuss this review in further detail, please contact Nash Gerald (919) 541-5652 or me at (215) 5997-1602.

Attachment

cc: Elaine Wright. (3AT00)
Marcia Spink (3AT00)
David Arnold (3AT13)
Randy Pomponio (3ES00)
Robert Kramer (3ES10)

**PAMS NETWORK
State of Pennsylvania**

TYPE	LOCATION	PROPOSED VOC SAMPLING FREQUENCY	DATE ESTAB	COMMENTS
#1/#3	Chester	Not Proposed	1996	This site appears too close to the MSA to be designated as a #1 Site; without further justification, approval cannot be granted. Note also that a #1 Site for Philadelphia is in operation at Lums Pond, DE, and a #3 Site for Washington is being established at Fort Meade, MD. Specific site information not submitted.
#2	East Lycoming Lab	VOC - 8 3-hour samples every day 1 24-hour sample (calculated average) every 6th day year-round Carbonyls - 8 3-hour samples per day	1993	The 1 24-hour sample every 6th day for carbonyls year-round is missing. Note that 1 24-hour sample value for VOC is proposed to be calculated; instead, this must be a measured value. The State has agreed to conduct surface meteorological monitoring on site rather than 100 meters north of the site as originally proposed.
#2A	NE Philadelphia Fringe, Montgomery County	Not Proposed	1995	General Location for secondary #2 Site. No detailed site information submitted. This site does not appear to fall in a substantially different morning wind direction than the #2 Site for Philadelphia and therefore cannot be approved as a #2A Site. Additionally, a #2A Site for Philadelphia has previously been approved for Camden, New Jersey.